

Title (en)

ACCUMULATION OF PUCCH REPETITIONS TO INCREASE THE RELIABILITY OF PUCCH RECEPTION

Title (de)

ANSAMMLUNG VON PUCCH-WIEDERHOLUNGEN ZUR ERHÖHUNG DER ZUVERLÄSSIGKEIT DES PUCCH-EMPFANGS

Title (fr)

ACCUMULATION DE RÉPÉTITIONS D'UN PUCCH POUR AUGMENTER LA FIABILITÉ DE RÉCEPTION D'UN PUCCH

Publication

EP 4205475 A1 20230705 (EN)

Application

EP 20955864 A 20201002

Priority

CN 2020119778 W 20201002

Abstract (en)

[origin: WO2022067844A1] A base station (BS) may receive a plurality of repetitions of a Physical Uplink Control Channel (PUCCH) from a user equipment (UE), and accumulate the received repetitions to obtain a resultant signal. The ability to accumulate repetitions enables the base station to experience a higher probability of successful recovery of the PUCCH payload bits than if decoding were based on the reception of a non-repeated transmission of the PUCCH. The base station may configure the number of repetitions, the temporal gap between the repetitions, and mode of repetition of the PUCCH. In an intra-slot mode, more than one copy may be received from each configured slot, with or without frequency hopping. In an inter-slot mode, one copy is received per configured slot. Different repetitions may be transmitted by the UE in different directions, according to a spatial consistency pattern.

IPC 8 full level

H04W 72/04 (2023.01)

CPC (source: EP US)

H04L 1/08 (2013.01 - US); **H04L 1/1858** (2013.01 - EP); **H04L 1/1864** (2013.01 - EP); **H04L 5/0053** (2013.01 - EP); **H04L 5/006** (2013.01 - EP); **H04W 52/325** (2013.01 - EP); **H04W 52/48** (2013.01 - EP); **H04W 72/0446** (2013.01 - US); **H04W 72/21** (2023.01 - US); **H04W 72/21** (2023.01 - EP)

Designated contracting state (EPC)

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BA ME

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DOCDB simple family (publication)

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